

Bridge Inspection							
Bridge File Number	75538 -1 Bridge			Form Type	PSR		
Year Built/Year Supstr	1970/1970			Lot No.	2		
Bridge or Town Name	VALLEYVIEW			Inspector Name	Brian Pientsch		
Located Over	LITTLE SMOKY RIVER, 8.10.58.7, WATERCRS-ST			Inspector Class	BR CLS A		
Located On	665:02 C1 3.087			Assistant Name			
Water Body Cl./Year				Assistant Class			
Navigabil. Cl./Year				Inspection Date	21-Sep-2010		
Legal Land Location	SE SEC 26 TWP 69 RGE 22 W5M			Data Entry By	Jill Potts		
Longitude, Latitude	:, :			Data Entry Date	17-Oct-2010		
Road Authority	Alberta Transportation (AIT)			Reviewer Name	Arnold Assenheimer		
Contract Main. Area	CMA03			Review Date	05-Oct-2010		
Clear Roadway/Skew	7.3 / -20 deg. (LHF)			Dept. Reviewer Name	Steve Pasquan		
AADT/Year				Dept. Review Date	23-Nov-2010		
Road Classification	RCU-208-110			Follow-Up By			
Detour Length (km)	50						
Allowable Load (t):	Single	CS1 47 GIRDER	Semi	CS2 54 GIRDER	Train	CS3 63 GIRDER	----> On Critical Spans ---->Critical Member
Design Loading:	HS20						----> Primary Span

Posting Information							
Required Load Posting (t)	Single				Semi		Truck Train
Posted Loading (t)	Single				Semi		Truck Train
Posted:	Lane	EB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N) No
Posted:	Lane	WB	At Junction (Y/N)	No	In Advance (Y/N)	No	At Bridge (Y/N) No
Remarks	Not required.						
Hazard Marker At Bridge (Y/N)	Yes						
Remarks	Markers mounted only 740mm above roadway, spring loaded base.						
Other Sign Types	Narrow road sign. School bus stop, East side. "Little Smoky River".						

Utilities (Located at)			
Utility Attachments			
Telephone	South side.		Gas
Power	2 wire North side of road.		Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Access 50m West. No passing, bottom of sag curve.
Vertical Alignment		6	6	
Roadway Width (m)	8.200			Minor potholing occuring adjacent to abutment 1 joint.
Approach Bump		6	4	
Guardrail (Y/N)	Yes			Split post at SE corner. Insufficient posts at bridge.
Guardrail		5	5	
Length (m)	23.000			
Current Standard (Y/N)	No			
Termination Type	Turn Down			
Drainage		3	3	Drain broken @ NW.
Approach Road General Rating		6	6	

Superstructure					
Bridge Component		Last	Now	Explanation of Condition	
(Primary Span : FC, 4 Spans, Lengths(m): 32-32-32-32, A-Ident Number:)					
Special Features					
Special Feature		8	8		
(SType : EXT SHEAR STIRRUP)					
Special Feature			X		
(Type :)					
Wearing Surface/Deck Top Detail Ratings					
	N (%)	1 (%)	2 (%)	3 (%)	
Last					
Now					
Wearing Surface		5	5		
(Material Type : CONCRETE)					
(Thickness(mm) : 50)					
Lateral Connection Problem (Y/N)		No			
Deck Top		N	N		
Deck Rideability		7	7		
Deck Joints		3	4	Concrete deterioration at curb cover plate blockouts.	
Temperature (deg. C)		5			
(Expansion Type : FINGER PLATES;GLAND (WABO-MAUER, TRANSFLEX, ETC))		Pier joints - Gland type joints.			
(Fixed Type :)					
Gap Size (mm)		Gap Location			
55		Abut. #1			
83		Pier #1			
80		Pier #2			
80		Pier #3			
38		Abut. #2			
Deck Drainage		5	5		
Drains Clogged (Y/N)		No			
Curbs/Median		3	3	Rebar exposed at numerous locations on top outside edge.	
(Curb Type : Standard)					
Scaling (Percent Area)		15			
Bridge Rail		5	5	Assorted weld repairs on rail at NE corner.	
(Type : GALVANIZED STEEL BRIDGE TUBE)					
Bridge Rail Posts		3	4	Insufficient thread extension through the nuts for most bridgerail post anchors.	
(Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL)					
Bridge Rail/Posts Coating		6	5		
(Type : GALVANIZED)					
Sidewalk		X	X		
Girder Detail Ratings					
	N (count)	1 (count)	2 (count)	3 (count)	
Last					
Now					
Girders		5	5	Typical chamfer cracks. Salt staining West abutment, North girder end.	
Cracking (Y/N)		Yes			
Spalling (Percent Area)		0			
(Number Of Girders : 20)					

Superstructure				
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FC, 4 Spans, Lengths(m): 32-32-32-32, A-Ident Number:)				
Diaphragms/Cross Frame		7	7	Hairline diagonal crack at end diaphragms. 2 spalls from construction NE.
Bearings		7	7	
Temperature (deg. C)	5			
(Expansion Type : REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL)				
(Fixed Type : REINFORCED PAD BEARING)				
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	5	Water stains at drains.
Stains (Percent Area)	2			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		5	5	
Substructure				
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		6	5	
Piles		N	N	
Paint/Coating		5	5	
Abutment Stability		7	7	
Scour/Erosion		4	4	Settlement under abutment 2 seat. Deck drains adjacent to abutment 2 headslope causing scour.
Piers/Bents				
(Type : PIER-SOLID)				
Bearing Seats/Caps		7	5	
(Type : CONCRETE)				
(Total Number of Bearing Piles : 32:32:32)				
Pier Shaft/Piles		5	4	(Some concrete deterioration starting on central pier @ low waterline, at base of nose plate. 2001/06/11) Delam cracks U/S end pier 1,3. Staining on all pier ends.
Bracing/Struts/Sheathing		X	X	
Nose Plate		7	7	
Paint/Coating		X	X	
(Colour Description :)				
(Colour Code :)				
Pier Stability		7	7	
Scour		5	4	Scour at West headslope U/S end where large drift built up between pier 1 and West headslope.
Debris (Y/N)	Yes			
Substructure General Rating		5	4	

Structure Usage				
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : S)				
(D/S Direction : N)				
Alignment		7	7	
Bank Stability		4	5	
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		4	4	Riprap only at toe of headslope. Scour @ West headslope U/S end.
(Type :)				
Guidebank/Spurs		X	X	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL							
GALVANIZE/PAINT BRIDGE RAIL							
SEAL CURBS							
PATCH DECK							
SEAL DECK							
OVERLAY DECK							
REPAIR/REPLACE DECK JOINTS							
RESET/ PAINT BEARINGS							
WASHING							
SHOTCRETE REPAIRS							
REPAIR ABUTMENT SCOUR/EROSION							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
OTHER ACTION	2011	Patch concrete curbs.					
OTHER ACTION	2011	Repair drain trough NW corner.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/50.0	Sufficiency Rating (Last/Now) (%)	52.4/53.4	Est. Repl. Yr	2034	Maint. Req'd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	21-Dec-2013		Previous Inspection Date	29-May-2007			
Inspection Cycle (Default) (months)	39						
Comment							